

PROCESS SAFETY INFORMATION

COMPLIANCE AUDIT

Material and Energy Balances

The JCI Jones Chemicals Inc. facility located at 1919 Marine Dr. in Tacoma Wa. manufactures one product sodium hypochlorite .

Sodium hypochlorite is produced by reacting caustic soda solution (NaOH) with chlorine (Cl₂). Proper conditions of concentration, temperature, and alkalinity are necessary for success of production process. Excessively high temperatures or insufficient excess caustic can result in overchlorination of the vat and a subsequent release of Cl₂. This production process is monitored via the ORP vat control mitigation system.